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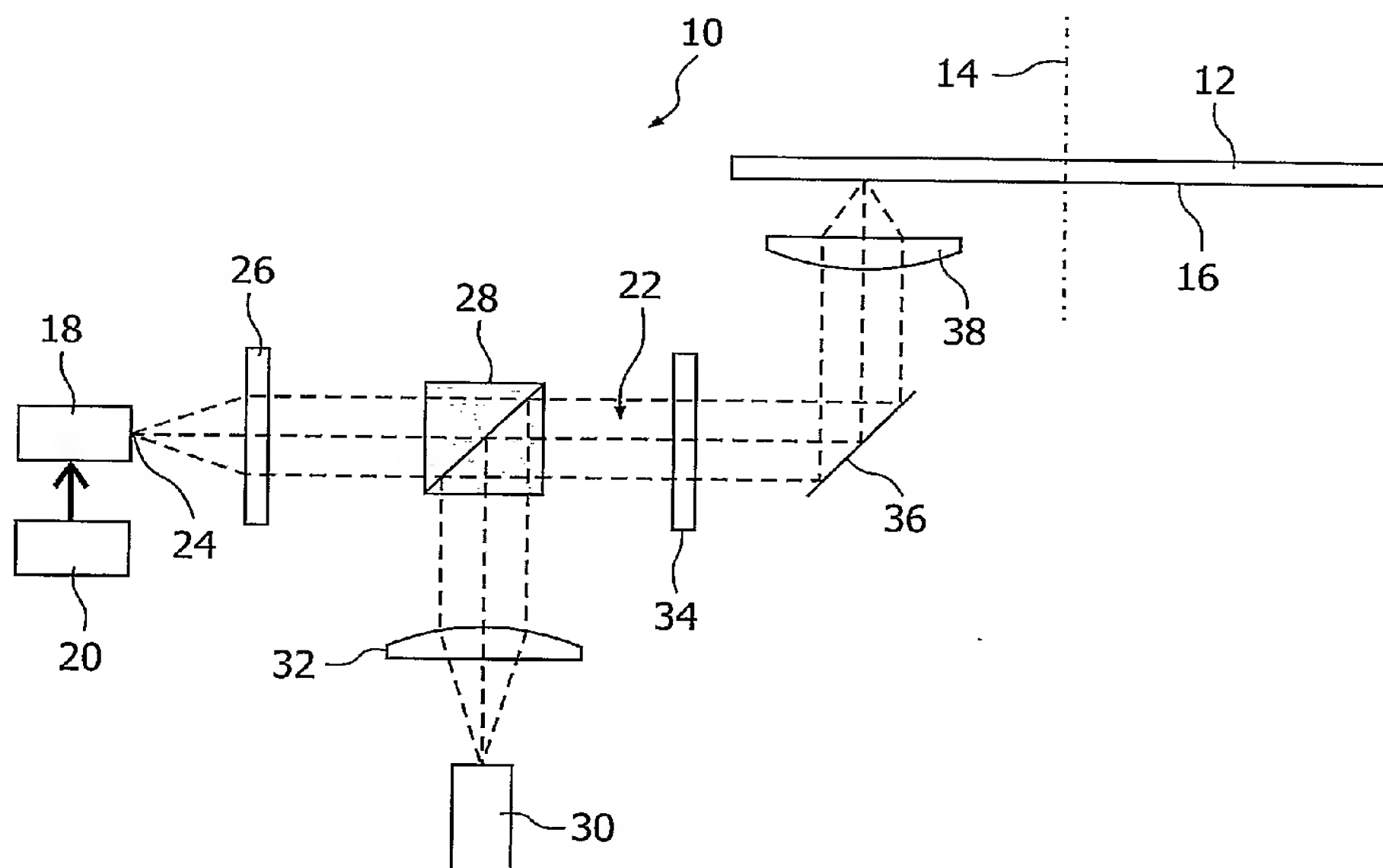
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(54) Title: SYSTEM FOR REDUCING FEEDBACK NOISE DUE TO RELAXATION OSCILLATION IN OPTICAL DATA  
RECORDING REPRODUCING SYSTEMS USING OPTIMIZED EXTERNAL CAVITY



(57) Abstract: This invention relates to a method for reducing feedback noise in an optical recording/reproducing system (10) comprising a laser (18) driven by an AC and a DC current thereby generating a pulsating light (22) emitted from said laser (18) to an external cavity defining an optical length (L) from said laser (18) to an optical storage medium (12), such as a compact disc (CD), digital versatile disc (DVD), Blu-Ray Disc, MiniDisc (MD), or magneto-optic disc (MOD). The optical length (L) is adjusted in accordance with the relaxation oscillation frequency.

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